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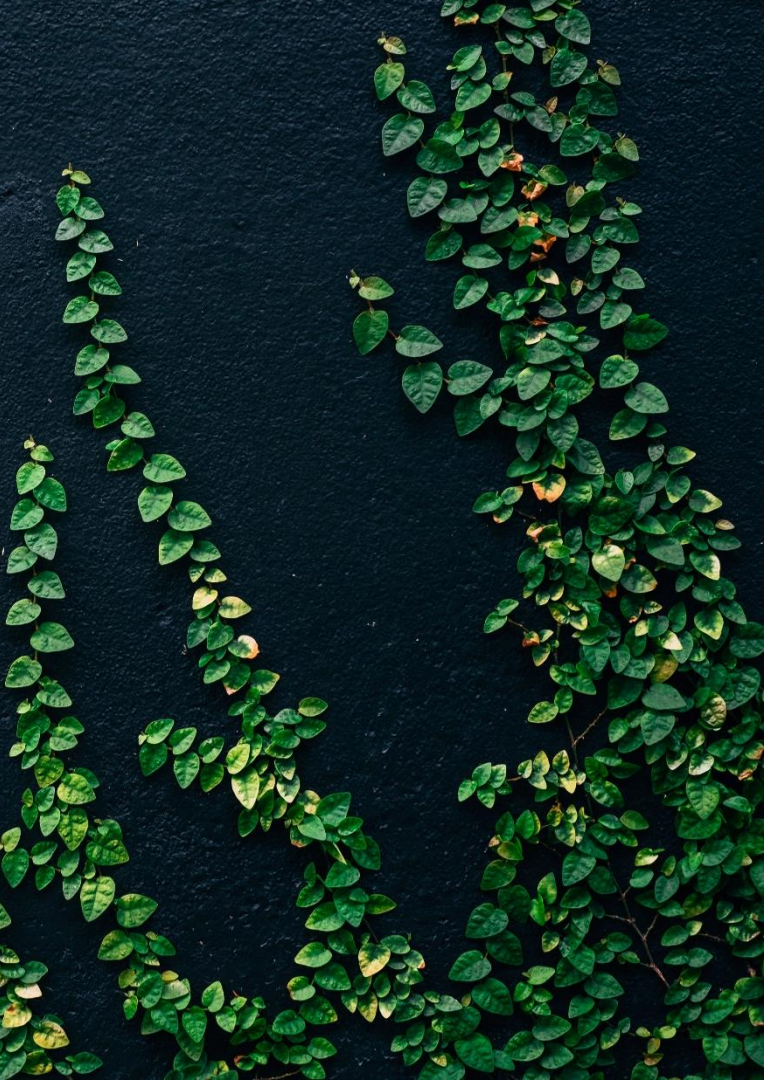

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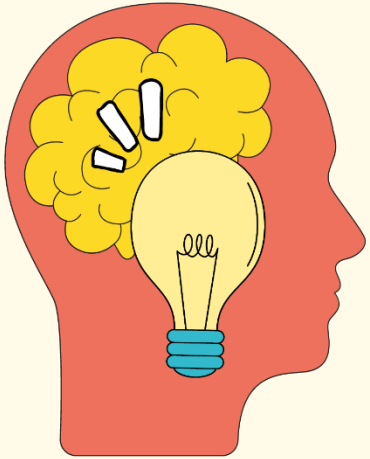

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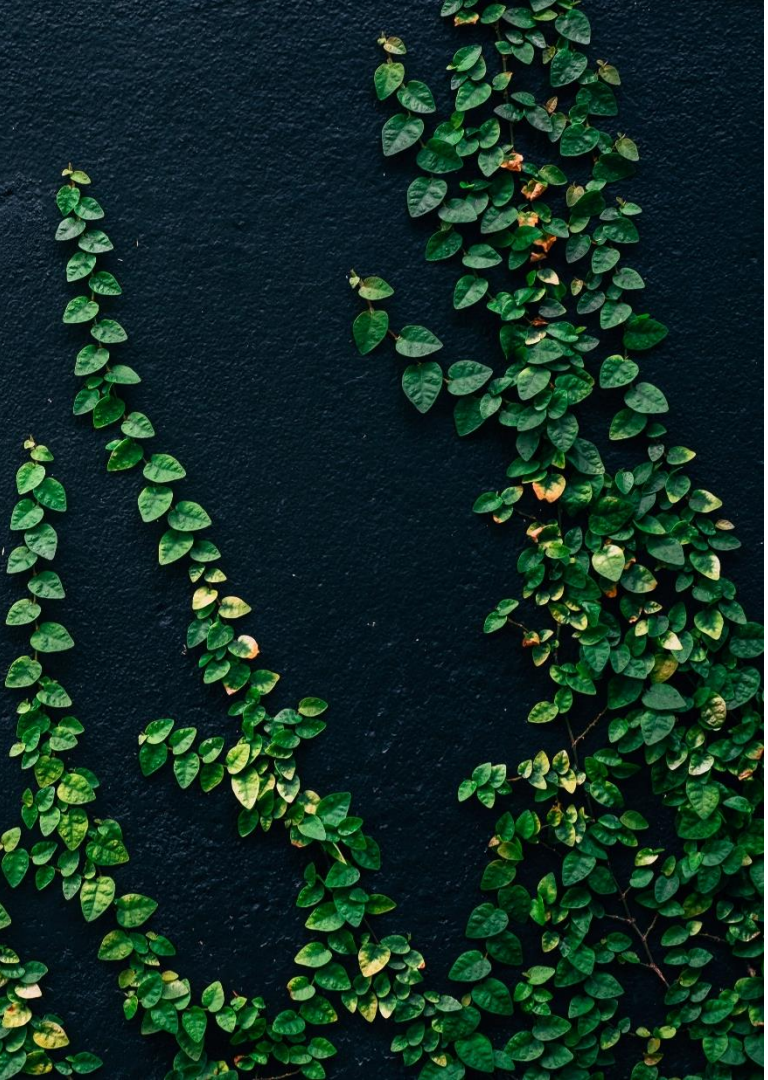

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1. Software

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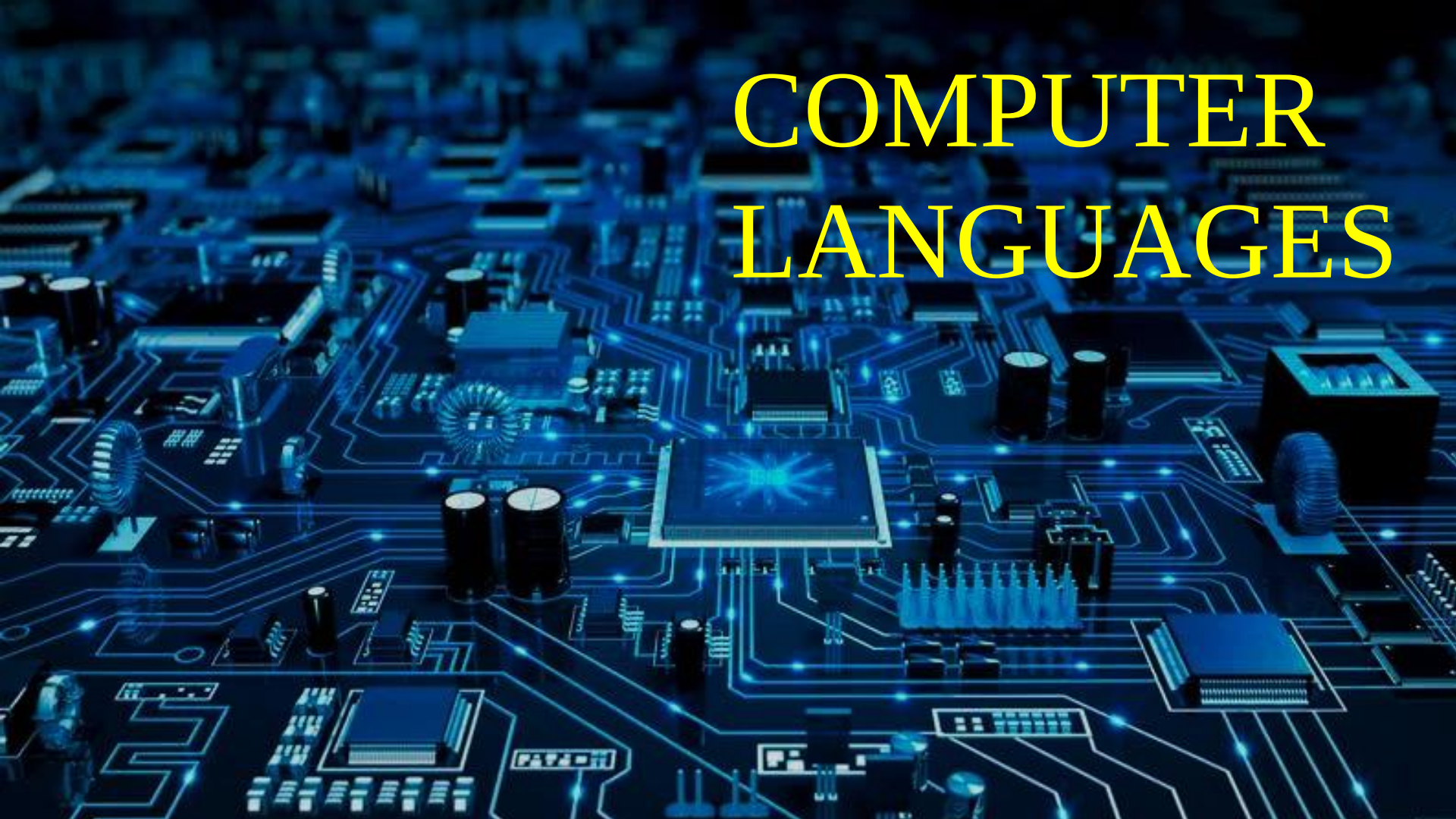
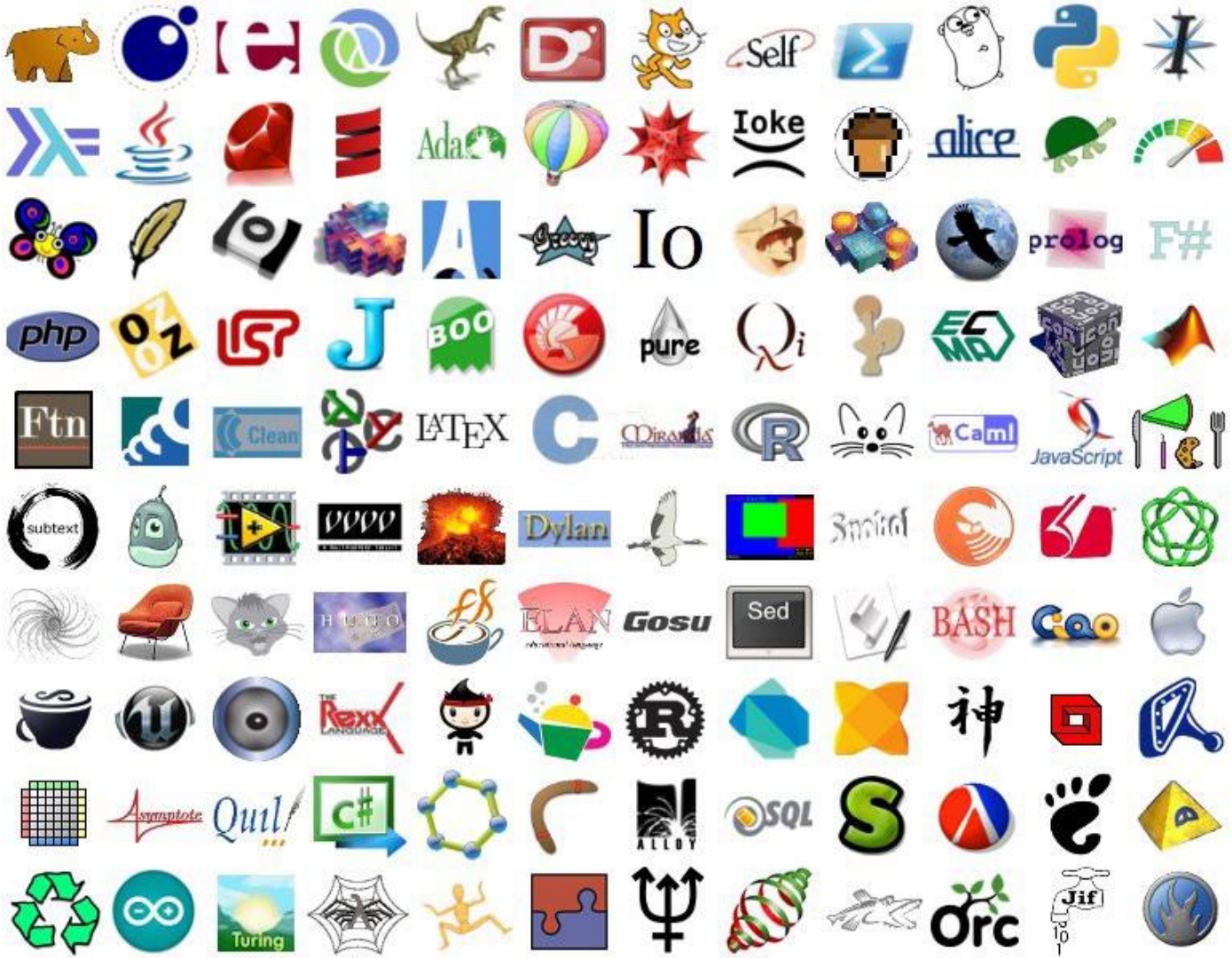

COMPUTER
LANGUAGES


Self
Ada
Ioke
alice
Io
prolog
F#
php
BOO
pure
Caml
JavaScript
Ftn
Clean
LATEX
Dylan
Gosu
Sed
BASH
Asymptote
C#
SQL
Turing
Jif

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COMPUTER LANGUAGES

A programming language is a type of written language that tells computers what to do.

प्रोग्रामिंग भाषा एक प्रकार की लिखित भाषा है जो कंप्यूटर को बताती है कि क्या करना है।

Examples: Python, Ruby, Java, JavaScript, C, C++, and C#.

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COMPUTER LANGUAGES

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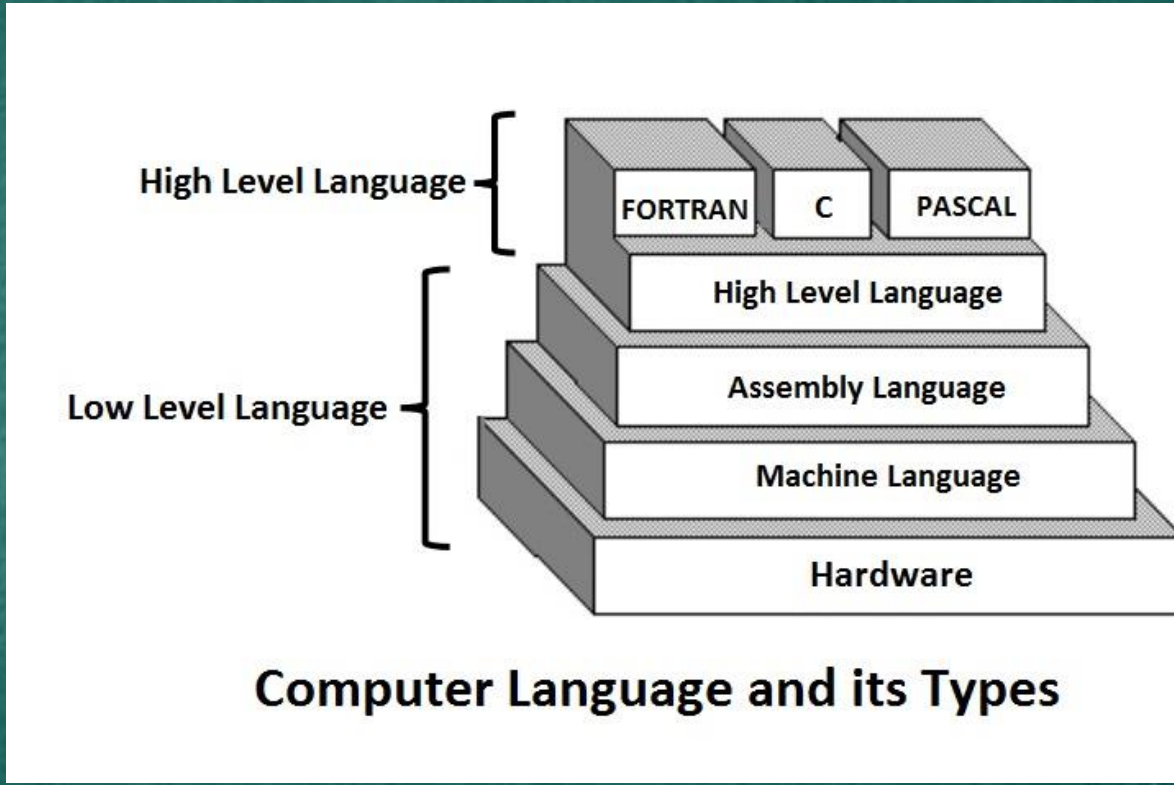
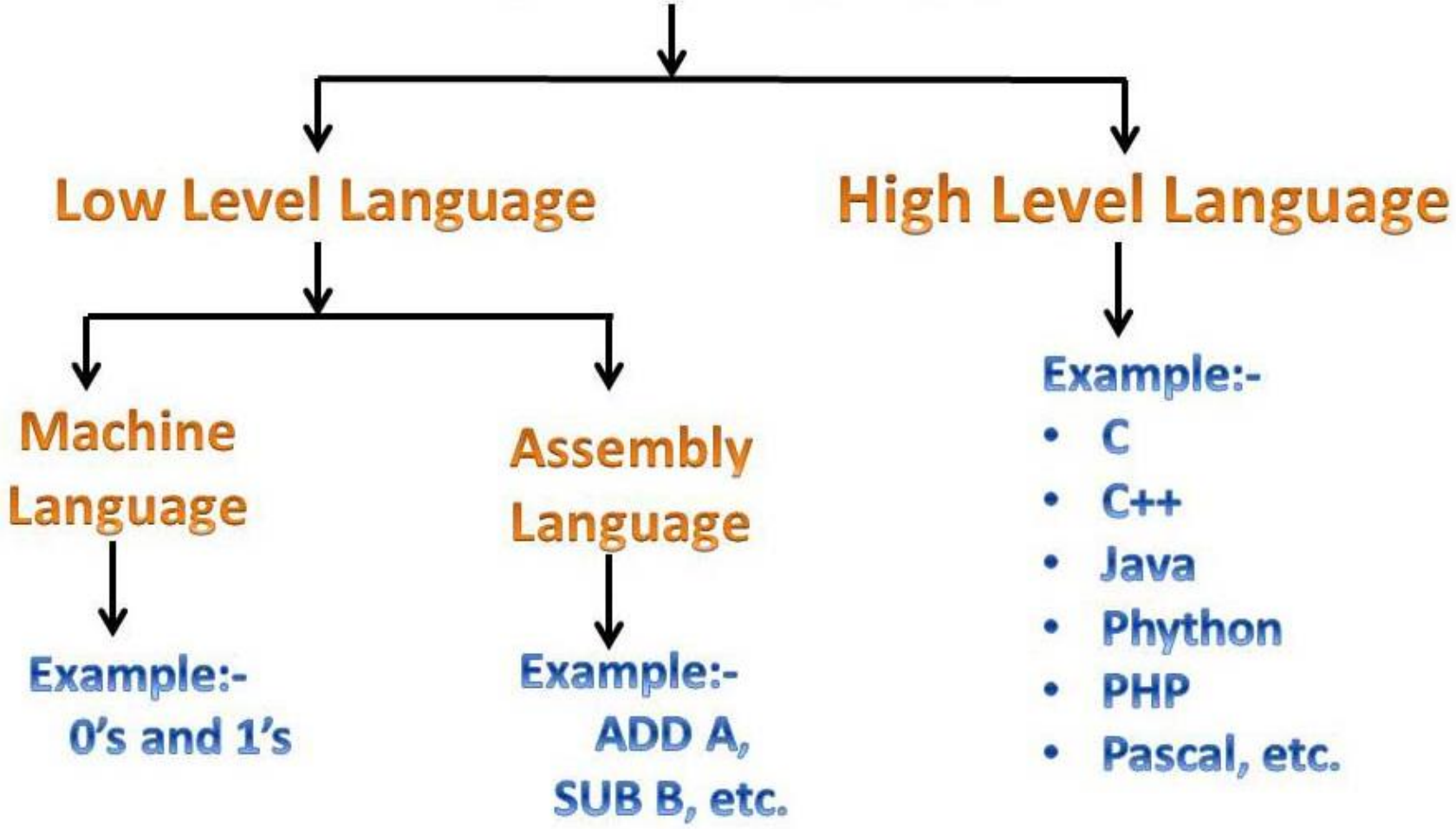
TYPES OF COMPUTER LANGUAGE



Computer Language and its Types



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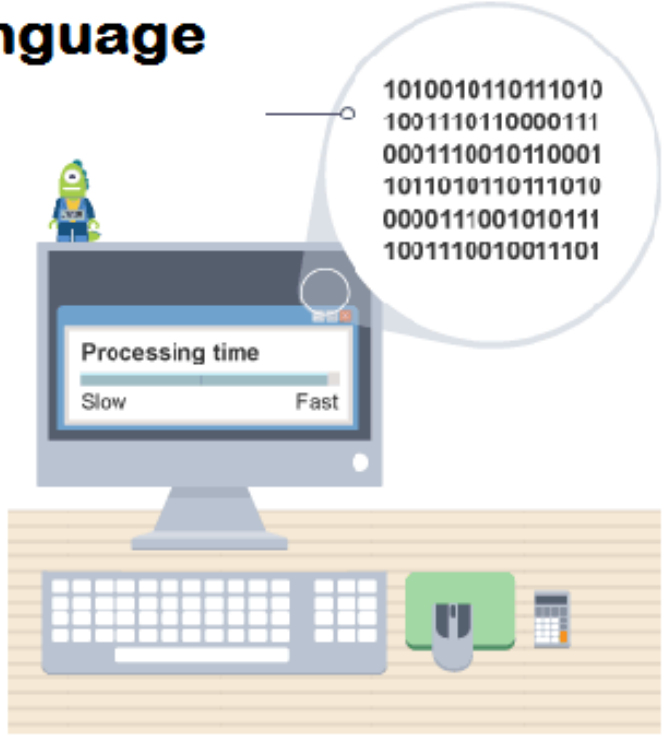
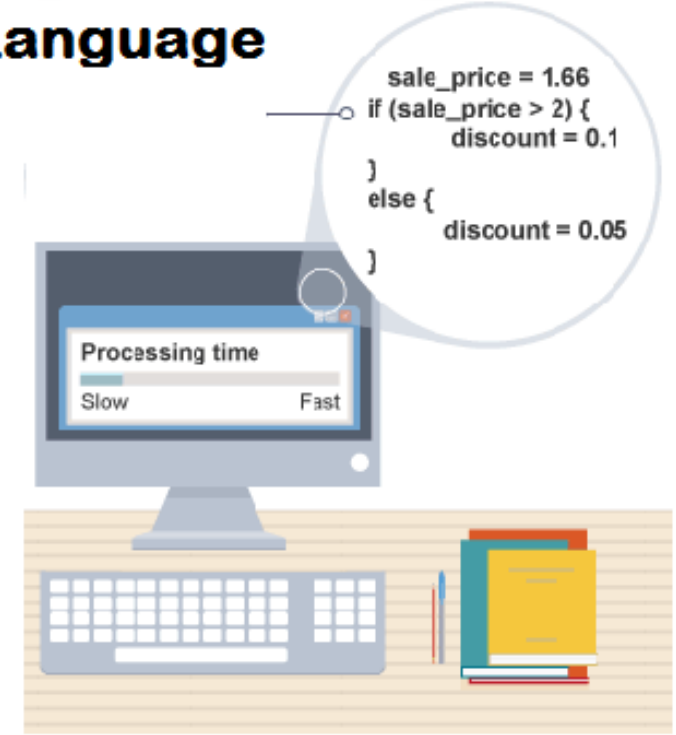
Low Level Programming Language



High Level Programming Language



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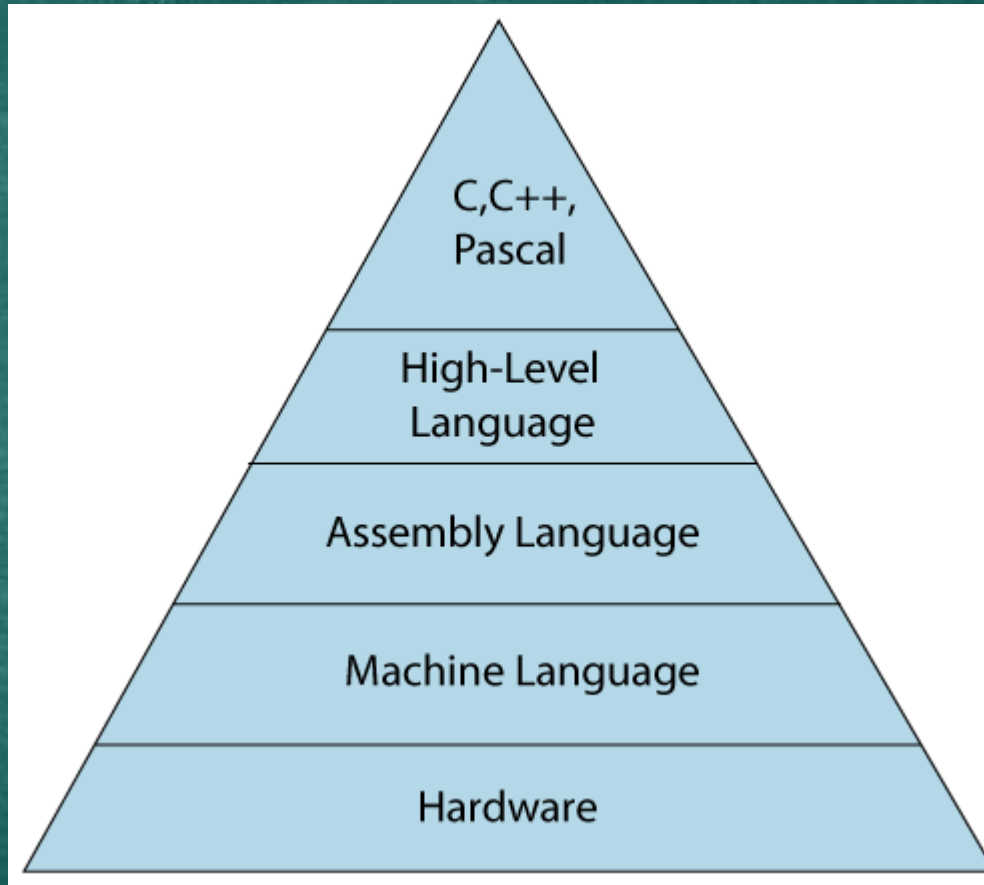
TYPES OF COMPUTER LANGUAGE



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1. LOW-LEVEL LANGUAGES

Low level languages are the machine codes in which the instructions are given in machine language in the form of 0 and 1 to a Computer system

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Eg-C,C++

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1. LOW-LEVEL LANGUAGES

निम्न स्तर की भाषाएँ मशीन कोड हैं जिनमें कंप्यूटर सिस्टम को 0 और 1 के रूप में मशीन भाषा में निर्देश दिए जाते हैं

निम्न स्तर की भाषाएँ मशीन कोड हैं जिनमें कंप्यूटर सिस्टम को 0 और 1 के रूप में मशीन भाषा में निर्देश दिए जाते हैं

जैसे-सी, सी++

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1. LOW-LEVEL LANGUAGES

Low level language is also divided into two parts are

1. Machine language and
2. Assembly language.

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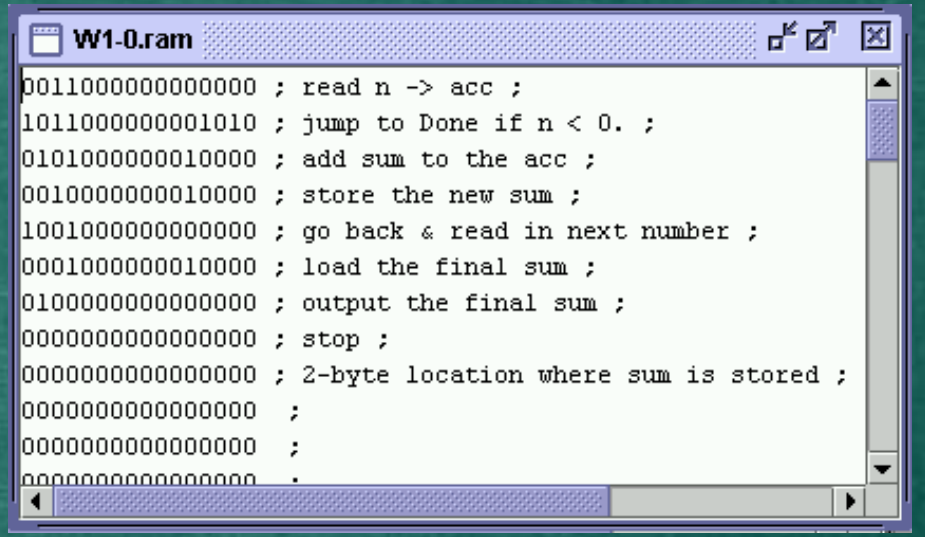
MACHINE LANGUAGE



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MACHINE LANGUAGE

It is written in machine code which represents 0 and 1 binary digits inside the Computer string which makes it easy to understand and perform the operations.

. It is very easy to understand by the Computer and also increases the processing speed.

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MACHINE LANGUAGE

यह मशीन कोड में लिखा जाता है जो कंप्यूटर स्ट्रिंग के अंदर 0 और 1 बाइनरी अंकों का प्रतिनिधित्व करता है जिससे संचालन को समझना और निष्पादित करना आसान हो जाता है।

. कंप्यूटर द्वारा इसे समझना बहुत आसान है और प्रोसेसिंग की गति को भी बढ़ाता है।

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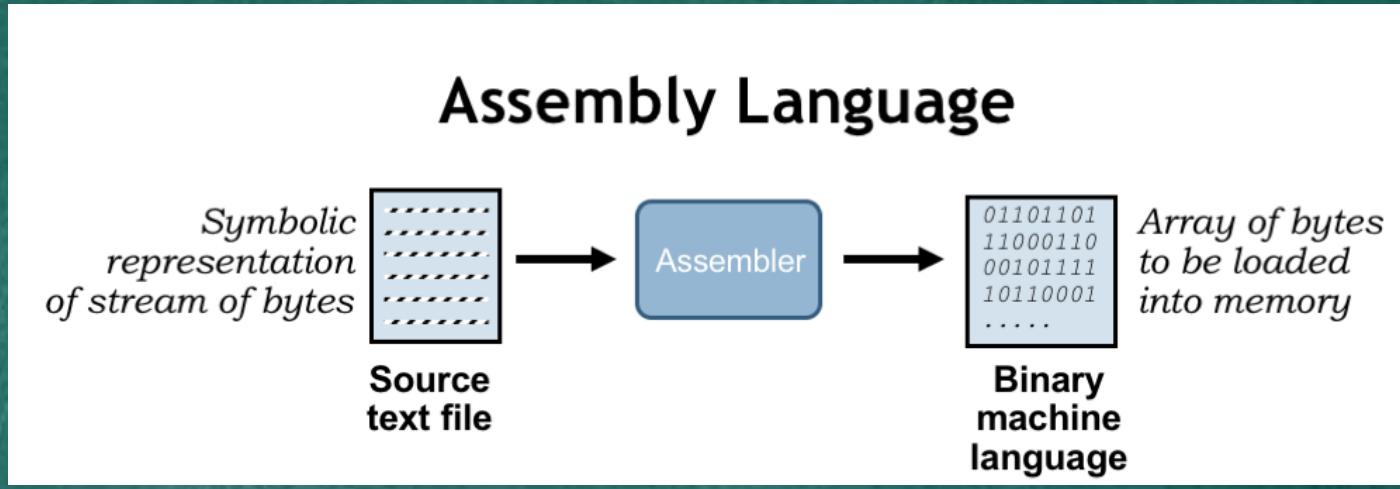
Assembly Language:



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Assembly Language:

It is the second generation programming language that has almost similar structure and set of commands as Machine language.

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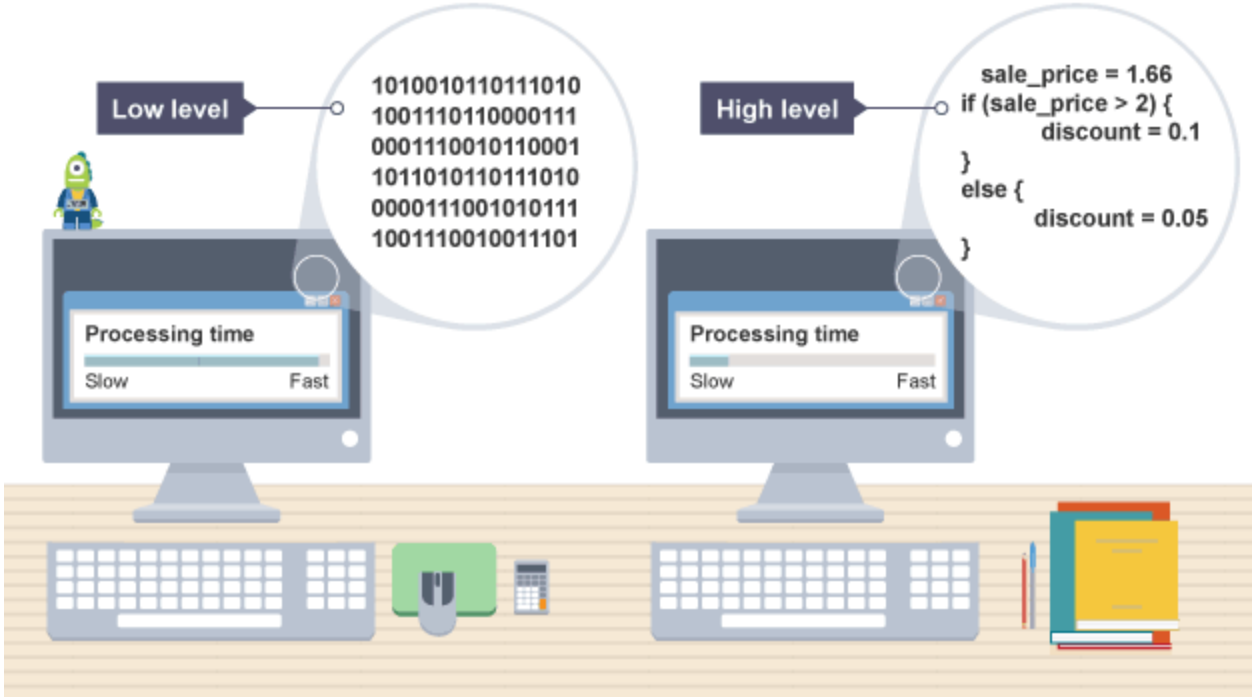
Assembly Language:

यह दूसरी पीढ़ी की प्रोग्रामिंग भाषा है जिसकी लगभग समान संरचना और मशीन भाषा के रूप में आदेशों का सेट है।

यह दूसरी पीढ़ी की प्रोग्रामिंग भाषा है जिसकी लगभग समान संरचना और मशीन भाषा के रूप में आदेशों का सेट है।


Low level
1010010110111010
1001110110000111
0001110010110001
1011010110111010
0000111001010111
1001110010011101
Processing time
Slow
Fast
High level
sale_price = 1.66
if (sale_price > 2) {
discount = 0.1
}
else {
discount = 0.05
}
Processing time
Slow
Fast

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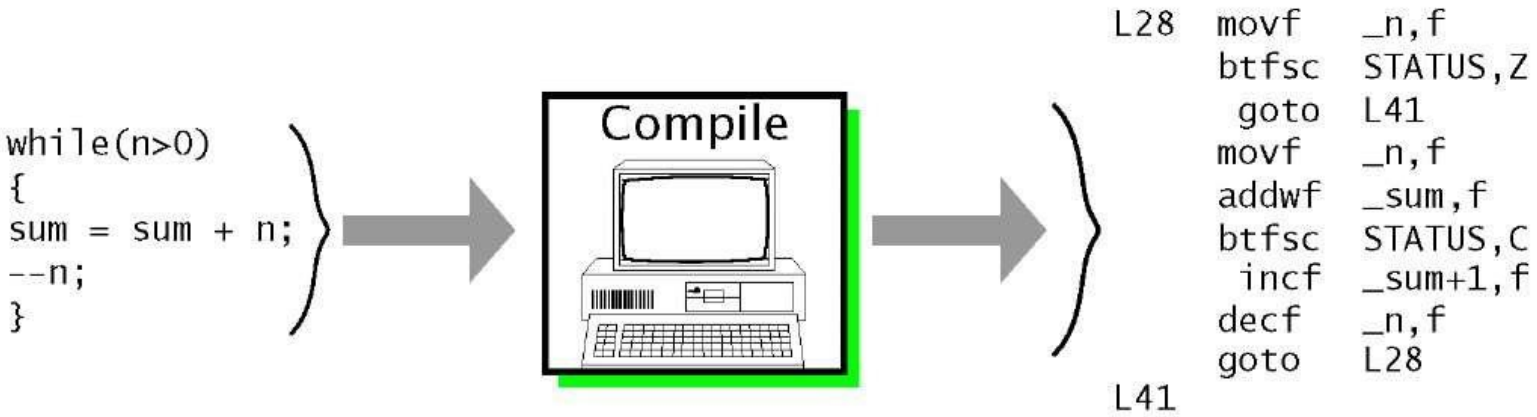
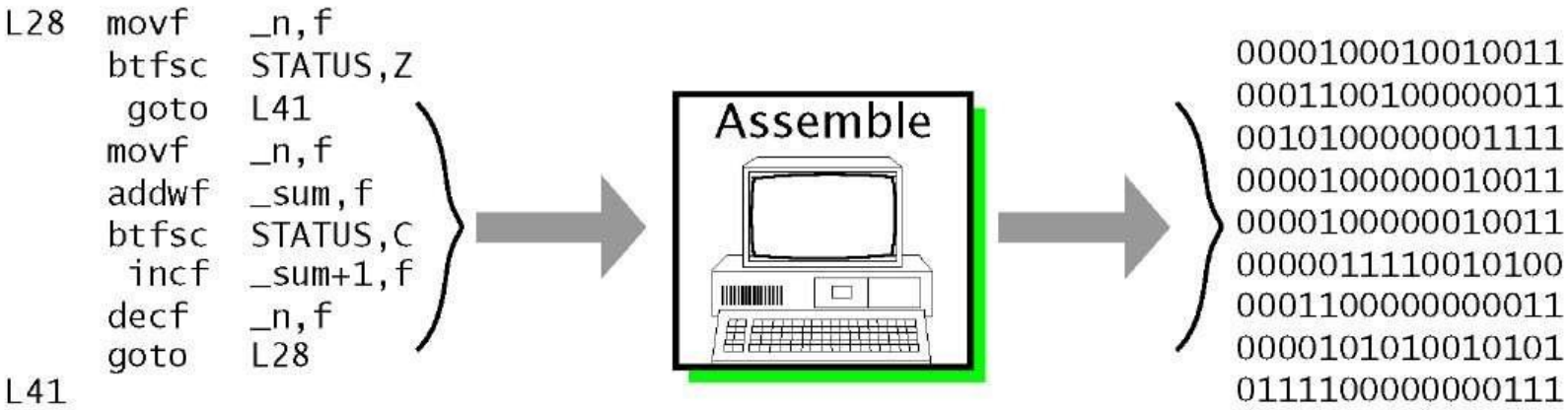
HIGH LEVEL LANGUAGES

The high level languages are the most used and also more considered programming languages that helps a programmer to read, write and maintain.

Eg-now like COBOL, FORTRAN, BASIC, C, C++, PASCAL, LISP, Ada, Algol, Prolog and Java.



(a) First, compile to assembly-level code.



(b) Second, assemble-link to machine code.

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COMPONENTS OF COMPUTER LANGUAGE

There are five core components of a computer program that are present in almost every program. The five basic elements, in programming are:

1. Input: getting data and commands into the computer
2. Output: getting your results out of the computer
3. Looping and conditionals: testing to see if a condition is true of false, and cycling through a set of instructions until some condition is met
4. Mathematical operations (arithmetic): Performing mathematical calculations on your data
5. Variables and data structures: storing information, which may change

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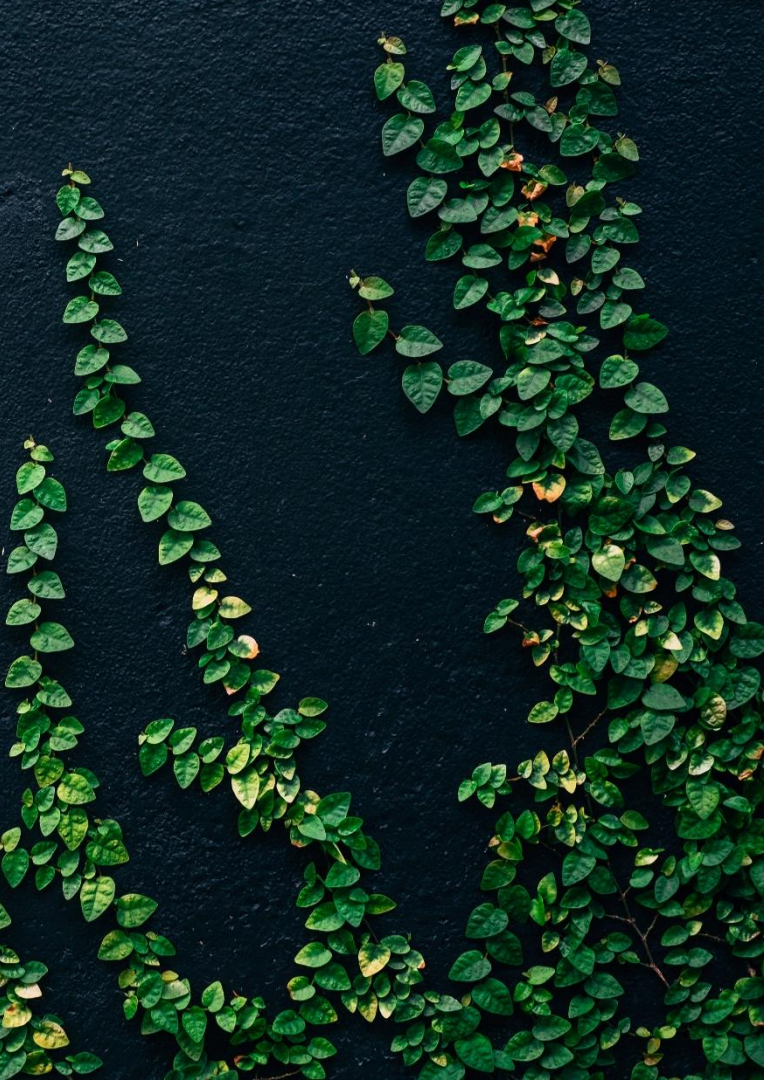

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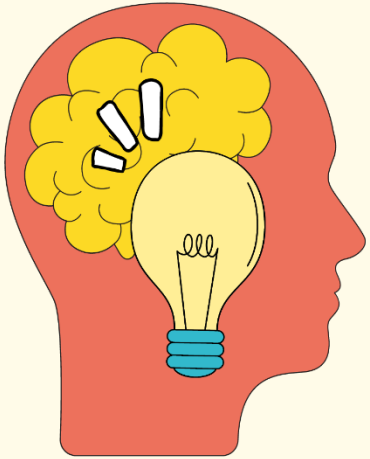

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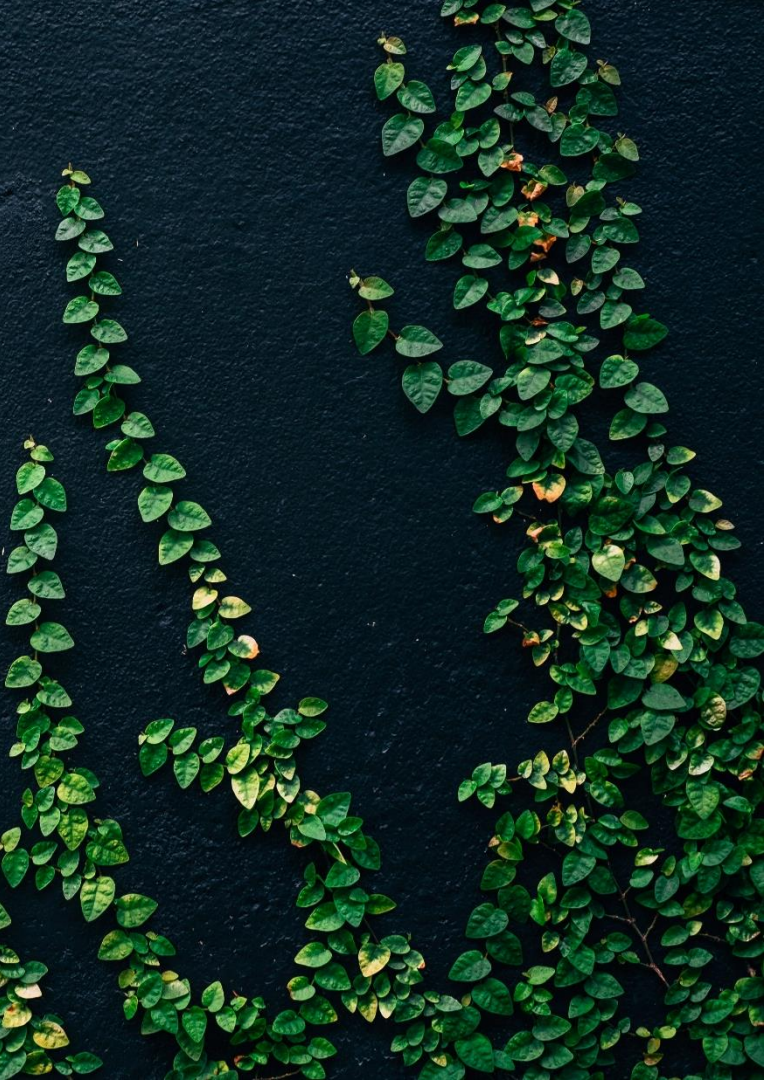

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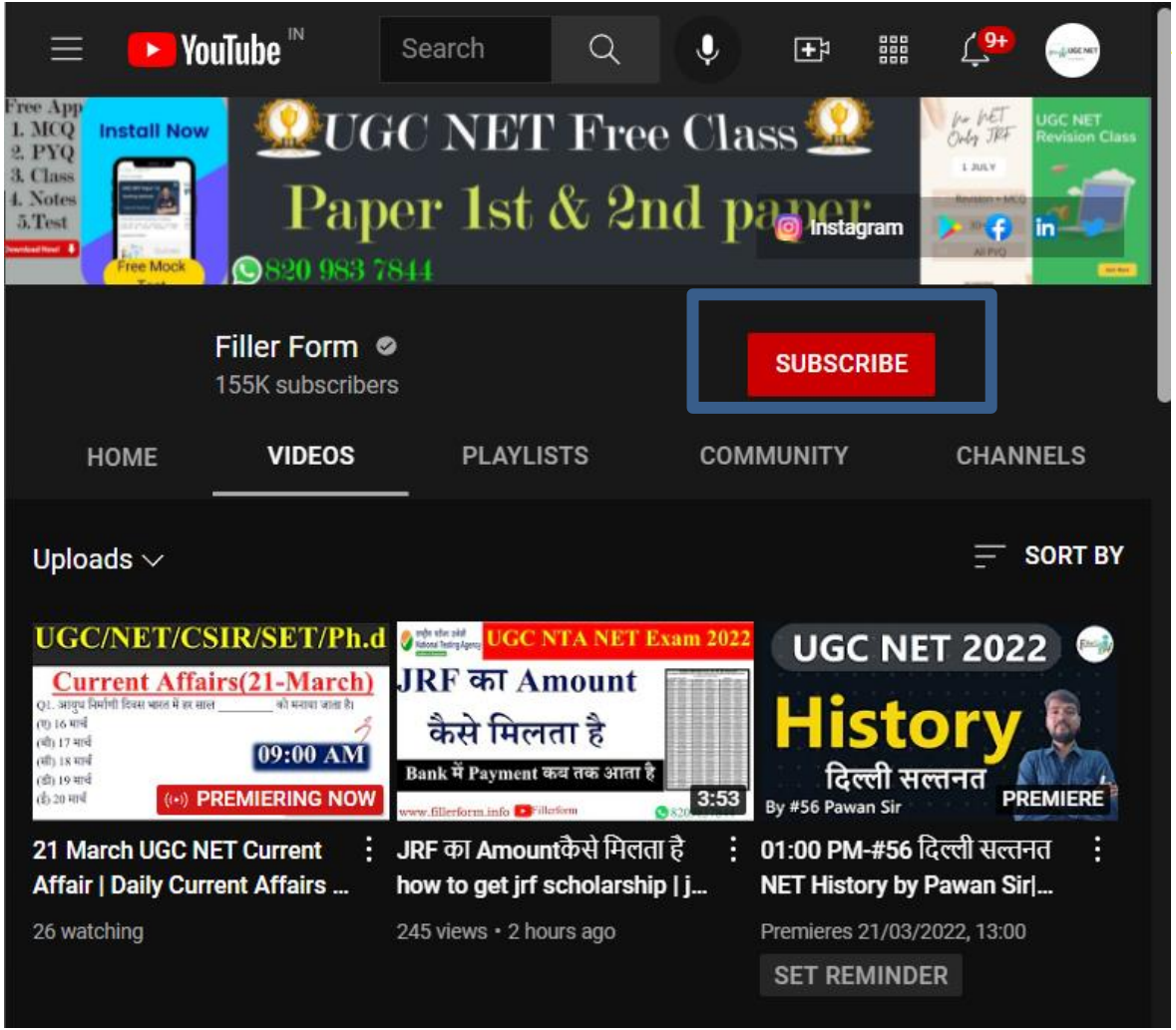

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MANIKA

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TULSI

POOJA

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Renu

UMME IRAM

SHIVANGI

SADANAND

VIKASH

BHAGYASHW

VISHU

RAJAT

JIVAN

RAJAT sharma

NISHTHA

RASHMI

ANKITA

MANOJ

SVDIP

RAVI

Jyoti

ARNAD

KAJLASH

KAJLASH

SALMA TUDU

DASTGEER

VISHAL

km neeshu devi

nikita raj

mudasir

jani vandana

piyush

arvind

bijoy pal

gouranga

pradeep

vinod

amit kumar

alok

Kalyan

sarojini

ravi

kamleesh Rani

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amit kumar

anil Kumar

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surekha

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ritu

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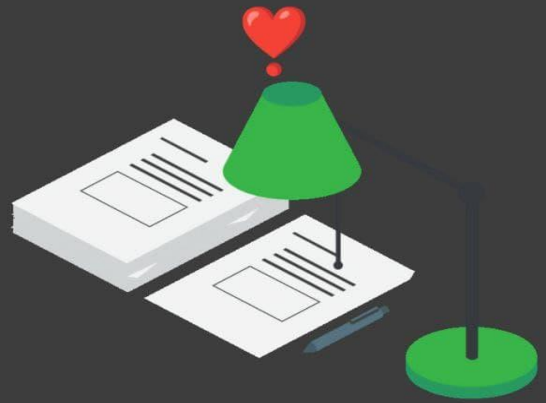
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